

| Ref # | Hits   | Search Query                                     | DBs                            | Default Operator | Plurals | Time Stamp       |
|-------|--------|--------------------------------------------------|--------------------------------|------------------|---------|------------------|
| S1    | 3912   | aromatization                                    | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:37 |
| S2    | 5227   | catalyst with hydrogen with sulfur               | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:36 |
| S3    | 278    | S1 and S2                                        | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:21 |
| S4    | 805    | treat\$3 with catalyst with hydrogen with sulfur | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:22 |
| S5    | 117    | S1 and S4                                        | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:22 |
| S6    | 2468   | aromatization                                    | USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/23 12:33 |
| S7    | 4919   | catalyst with hydrogen with sulfur               | USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/23 12:33 |
| S8    | 161    | S6 and S7                                        | USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/23 12:33 |
| S9    | 17459  | catalyst with sulfur                             | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:37 |
| S10   | 86214  | catalyst with hydrogen                           | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:37 |
| S11   | 10707  | S9 and S10                                       | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:39 |
| S12   | 719    | S1 and S11                                       | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:39 |
| S13   | 0      | 585/418-419                                      | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:39 |
| S14   | 0      | S11 and S13                                      | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:39 |
| S15   | 625    | (585/418-419).CCLS.                              | US-PGPUB;<br>USPAT             | OR               | OFF     | 2005/09/23 12:39 |
| S16   | 150    | S11 and S15                                      | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:39 |
| S17   | 8151   | zsm                                              | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:39 |
| S18   | 218936 | pt or platinum                                   | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:40 |
| S19   | 47     | S16 and S17 and S18                              | US-PGPUB;<br>USPAT             | OR               | ON      | 2005/09/23 12:40 |